

In the Claims

1. (Currently amended) A substantially purified nucleic acid molecule having a nucleic acid sequence ~~selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 52202 or complements thereof~~ of SEQ ID NO: 7212 or its complement.
2. (Currently amended) A substantially purified first nucleic acid molecule, said first nucleic acid molecule capable of specifically hybridizing to a second nucleic acid molecule having a nucleic acid sequence ~~selected from the group consisting of SEQ ID NO: 1 through SEQ ID NO: 52252 or complements thereof~~ of SEQ ID NO: 7212 or its complement.
3. (Currently amended) The substantially purified first nucleic acid molecule according to claim 2, wherein said first nucleic acid molecule comprises a microsatellite sequence.
4. (Currently amended) The substantially purified first nucleic acid molecule according to claim 2, wherein said first nucleic acid molecule comprises a region having a single nucleotide polymorphism.
5. – 7. (Cancelled)
8. (New) A substantially purified nucleic acid molecule comprising a nucleic acid sequence sharing between 100% and 90% sequence identity with SEQ ID NO: 7212.
9. (New) The substantially purified nucleic acid molecule of claim 8, wherein said nucleic acid sequence shares between 100% and 95% sequence identity with SEQ ID NO: 7212.
10. (New) The substantially purified nucleic acid molecule of claim 9, wherein said nucleic acid sequence shares between 100% and 98% sequence identity with SEQ ID NO: 7212.
11. (New) The substantially purified nucleic acid molecule of claim 10, wherein said nucleic acid sequence shares between 100% and 99% sequence identity with SEQ ID NO: 7212.
12. (New) The substantially purified nucleic acid molecule of claim 11, wherein said nucleic acid sequence shares 100% sequence identity with SEQ ID NO: 7212.